

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P955525

Luminaire Tested: **GLAN-SB8B-950-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955525  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-950-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31484 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



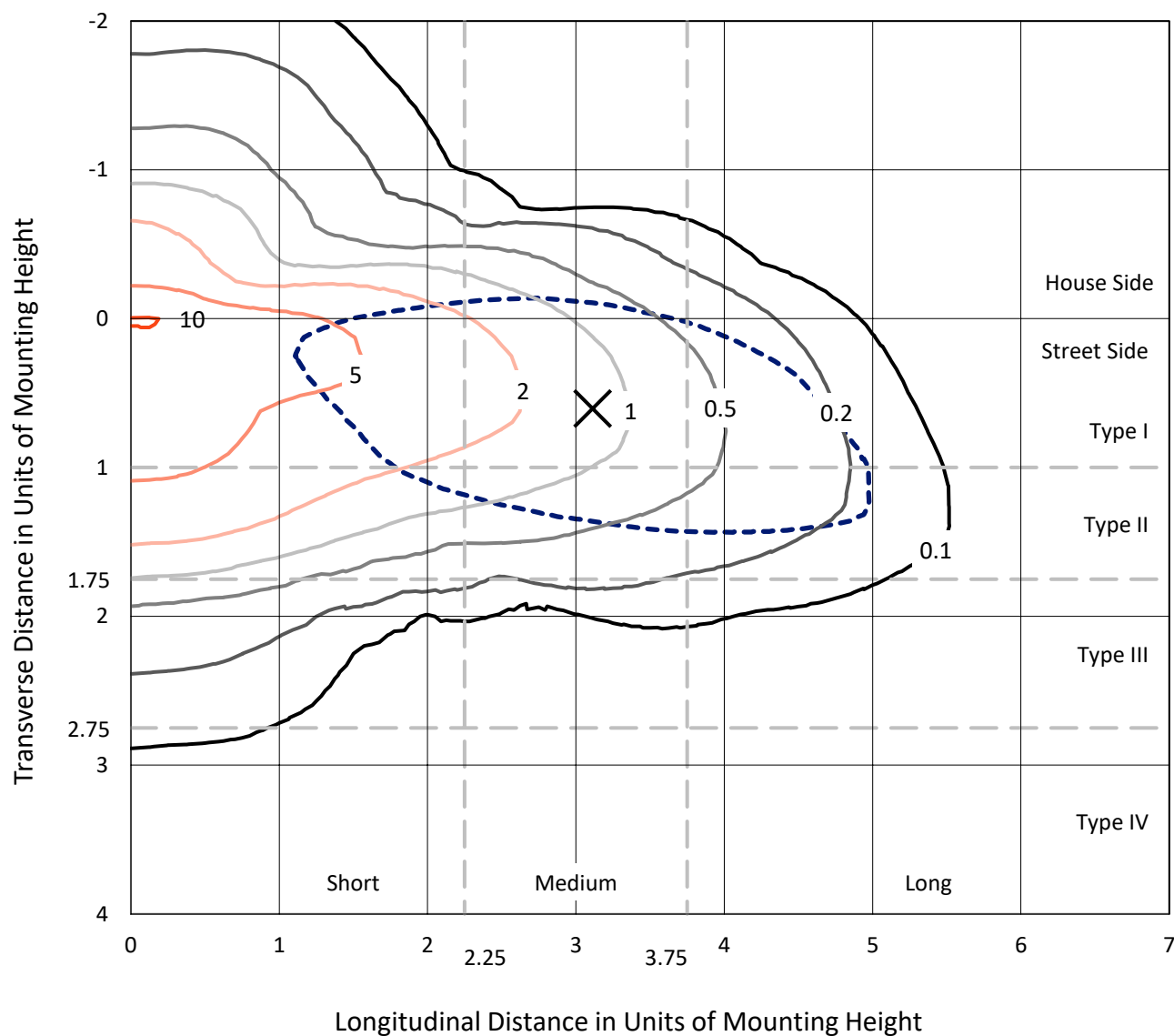
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

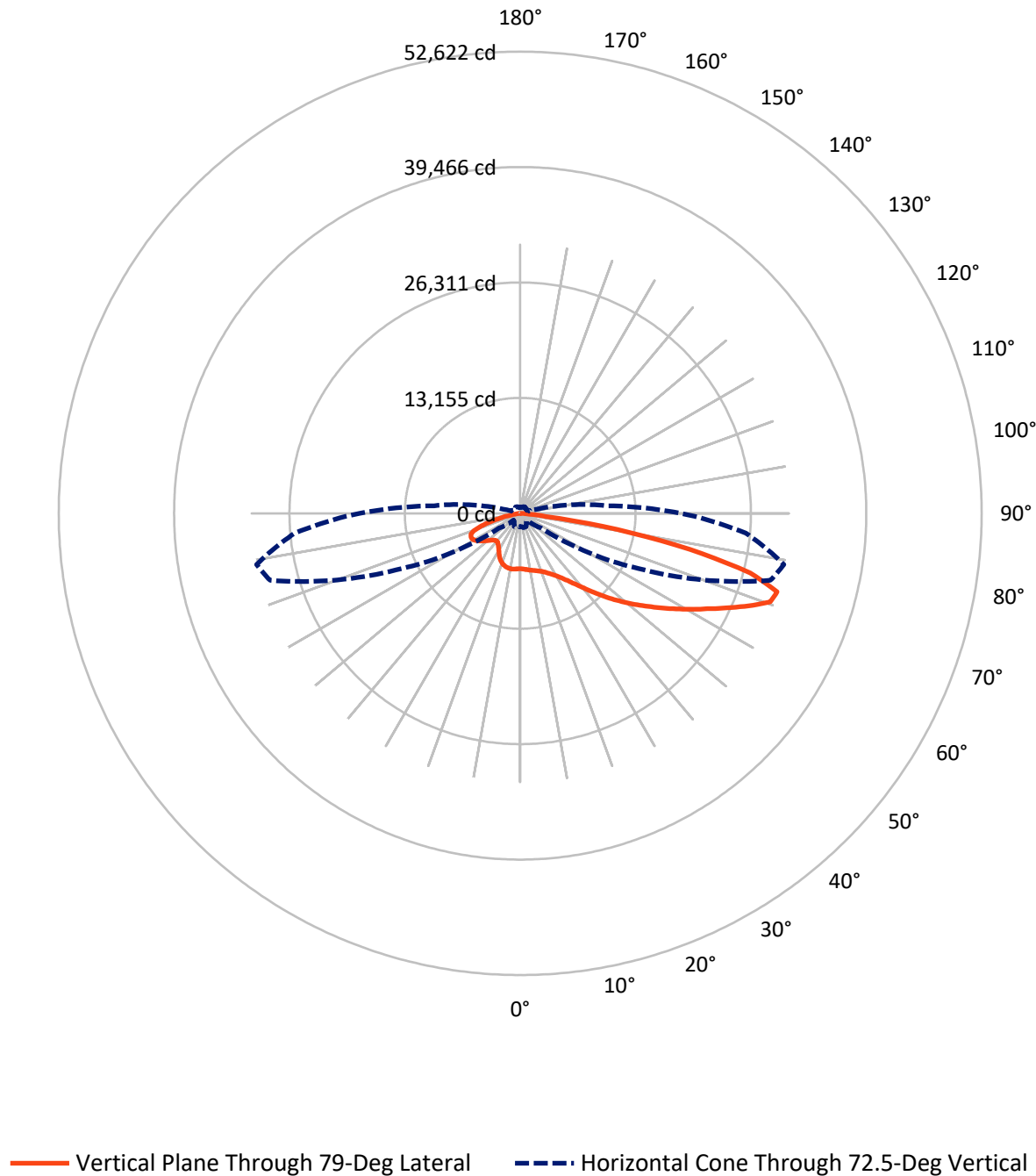
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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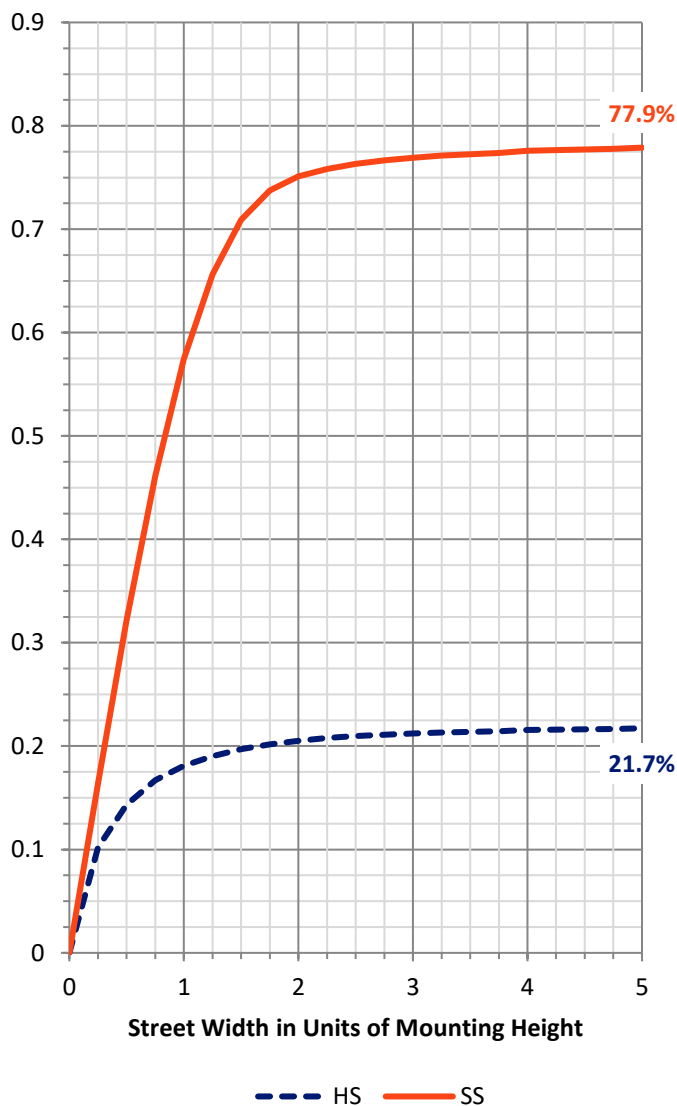
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6928.2   | 0.0    | 6928.2  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 24555.8  | 0.0    | 24555.8 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 31484.0  | 0.0    | 31484.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 573.7   | 1.8       |
| 10°-20°   | 1499.9  | 4.8       |
| 20°-30°   | 2420.2  | 7.7       |
| 30°-40°   | 3632.4  | 11.5      |
| 40°-50°   | 5152.8  | 16.4      |
| 50°-60°   | 6507.3  | 20.7      |
| 60°-70°   | 6609.0  | 21.0      |
| 70°-80°   | 4504.3  | 14.3      |
| 80°-90°   | 584.4   | 1.9       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 31484.0 | 100.0     |
| 0°-180°   | 31484.0 | 100.0     |

**Coefficient of Utilization**



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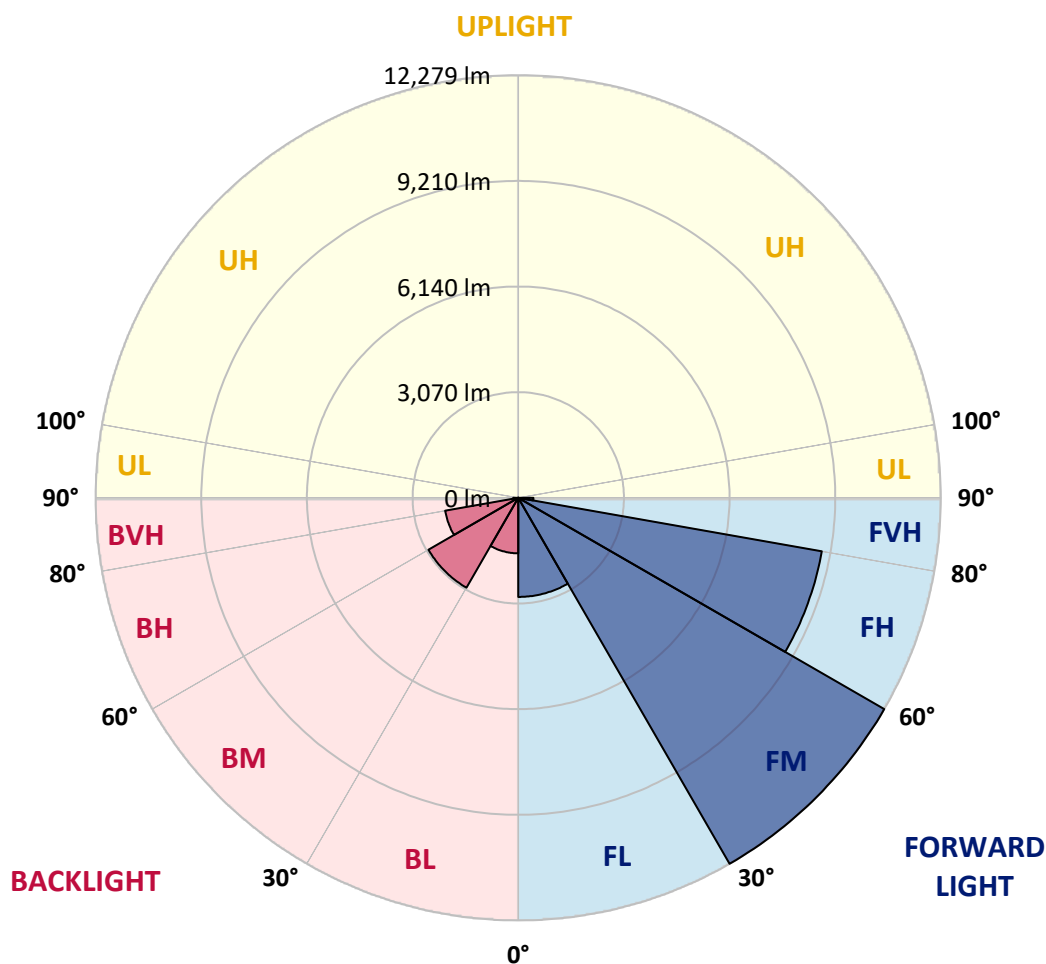
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2880.0  | 9.1       |                         |      |          |
| FM   | (30°-60°)   | 12279.4 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 8956.1  | 28.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 440.2   | 1.4       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1613.8  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3013.0  | 9.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2157.2  | 6.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 144.2   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6320.1  | 6320.1  | 6320.1  | 6320.1  | 6320.1  | 6320.1  | 6320.1  | 6320.1  | 6320.1  | 6320.1  |
| 2.5°  | 6323.4  | 6293.5  | 6311.8  | 6305.1  | 6313.5  | 6323.4  | 6326.8  | 6331.8  | 6348.4  | 6346.8  |
| 5°    | 6310.1  | 6280.1  | 6305.1  | 6296.8  | 6318.4  | 6341.8  | 6361.7  | 6380.1  | 6406.7  | 6418.4  |
| 7.5°  | 6281.8  | 6261.8  | 6286.8  | 6311.8  | 6351.8  | 6386.7  | 6415.0  | 6456.7  | 6495.0  | 6501.6  |
| 10°   | 6116.9  | 6101.9  | 6160.2  | 6225.2  | 6335.1  | 6430.0  | 6491.6  | 6539.9  | 6581.6  | 6588.2  |
| 12.5° | 5945.4  | 5927.1  | 5992.0  | 6080.3  | 6258.5  | 6430.0  | 6559.9  | 6623.2  | 6659.9  | 6681.5  |
| 15°   | 5917.1  | 5902.1  | 5938.7  | 6015.3  | 6163.6  | 6385.1  | 6606.6  | 6723.1  | 6754.8  | 6779.8  |
| 17.5° | 6053.7  | 6025.3  | 6040.3  | 6067.0  | 6153.6  | 6343.4  | 6643.2  | 6836.4  | 6884.7  | 6911.3  |
| 20°   | 6370.1  | 6330.1  | 6306.8  | 6253.5  | 6238.5  | 6350.1  | 6639.9  | 6972.9  | 7036.2  | 7069.5  |
| 22.5° | 6791.4  | 6764.8  | 6714.8  | 6579.9  | 6433.4  | 6431.7  | 6703.2  | 7147.8  | 7266.0  | 7297.7  |
| 25°   | 7301.0  | 7261.1  | 7197.8  | 7014.6  | 6733.1  | 6593.2  | 6809.7  | 7371.0  | 7569.1  | 7577.5  |
| 27.5° | 7887.2  | 7827.3  | 7740.7  | 7499.2  | 7119.5  | 6846.4  | 6972.9  | 7627.4  | 7917.2  | 7913.9  |
| 30°   | 8505.1  | 8445.1  | 8353.5  | 8060.4  | 7582.5  | 7187.8  | 7199.4  | 7903.9  | 8330.2  | 8311.9  |
| 32.5° | 8956.4  | 8911.4  | 8893.1  | 8666.6  | 8115.4  | 7590.8  | 7459.2  | 8210.3  | 8839.8  | 8823.2  |
| 35°   | 9302.8  | 9244.5  | 9266.2  | 9151.3  | 8696.6  | 8042.1  | 7777.3  | 8575.0  | 9459.4  | 9457.7  |
| 37.5° | 9645.9  | 9594.2  | 9612.6  | 9536.0  | 9234.5  | 8615.0  | 8165.4  | 9021.4  | 10227.1 | 10263.7 |
| 40°   | 9959.0  | 9904.0  | 9977.3  | 9905.7  | 9652.5  | 9224.5  | 8606.7  | 9526.0  | 11116.4 | 11186.4 |
| 42.5° | 10147.2 | 10103.9 | 10225.4 | 10227.1 | 10015.6 | 9739.1  | 9091.3  | 10082.2 | 12145.6 | 12302.2 |
| 45°   | 10212.1 | 10197.1 | 10380.3 | 10418.6 | 10337.0 | 10037.2 | 9527.6  | 10688.4 | 13254.8 | 13534.5 |
| 47.5° | 10142.2 | 10113.8 | 10367.0 | 10508.5 | 10573.5 | 10177.1 | 9889.0  | 11344.6 | 14387.2 | 14796.9 |
| 50°   | 9789.1  | 9734.1  | 10110.5 | 10408.6 | 10640.1 | 10268.7 | 10253.7 | 12102.3 | 15674.5 | 16122.5 |
| 52.5° | 9154.6  | 9113.0  | 9541.0  | 10058.9 | 10493.6 | 10313.7 | 10663.4 | 12930.0 | 16896.9 | 17476.5 |
| 55°   | 8343.5  | 8288.6  | 8759.9  | 9436.0  | 10128.8 | 10298.7 | 11073.1 | 13856.0 | 18339.2 | 18927.0 |
| 57.5° | 7057.9  | 6948.0  | 7544.2  | 8343.5  | 9534.3  | 10280.4 | 11499.4 | 14776.9 | 19804.7 | 20509.1 |
| 60°   | 5182.7  | 5019.5  | 5750.6  | 6698.2  | 8371.9  | 10102.2 | 12027.4 | 15809.4 | 21563.3 | 22197.8 |
| 62.5° | 3017.7  | 2922.7  | 3400.7  | 4285.0  | 6310.1  | 9053.0  | 12323.8 | 17010.2 | 23292.0 | 23958.1 |
| 65°   | 2343.2  | 2316.5  | 2358.2  | 2426.5  | 3512.3  | 6778.1  | 11409.5 | 18180.9 | 25490.3 | 25956.6 |
| 67.5° | 2143.3  | 2123.4  | 2141.7  | 2013.4  | 1782.0  | 3775.4  | 9026.4  | 18477.4 | 27845.1 | 28128.3 |
| 70°   | 1905.2  | 1881.9  | 1941.8  | 1831.9  | 1402.2  | 1717.0  | 5832.2  | 17401.5 | 29718.7 | 30249.9 |
| 72.5° | 1552.1  | 1525.5  | 1665.4  | 1615.4  | 1180.8  | 1102.5  | 2929.4  | 14845.2 | 29522.2 | 30624.7 |
| 75°   | 1192.4  | 1177.4  | 1344.0  | 1385.6  | 962.6   | 867.7   | 1405.6  | 11034.8 | 25979.9 | 27090.7 |
| 77.5° | 926.0   | 914.3   | 999.2   | 1150.8  | 776.1   | 672.8   | 864.3   | 6999.6  | 19578.2 | 19773.0 |
| 80°   | 694.5   | 661.2   | 739.4   | 891.0   | 604.5   | 491.3   | 586.2   | 4081.8  | 12375.4 | 11218.0 |
| 82.5° | 434.7   | 418.0   | 483.0   | 594.5   | 426.3   | 338.1   | 381.4   | 2254.9  | 4959.5  | 2921.1  |
| 85°   | 248.1   | 241.5   | 263.1   | 339.7   | 231.5   | 194.8   | 218.2   | 995.9   | 906.0   | 622.9   |
| 87.5° | 99.9    | 96.6    | 119.9   | 151.5   | 84.9    | 71.6    | 76.6    | 239.8   | 199.8   | 184.9   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6320.1  | 0°    | 6320.1  | 6320.1  | 6320.1 | 6320.1 | 6320.1 | 6320.1 | 6320.1 | 6320.1 | 6320.1 | 6320.1 |
| 6345.1  | 2.5°  | 6338.4  | 6338.4  | 6315.1 | 6278.5 | 6236.8 | 6210.2 | 6166.9 | 6155.2 | 6110.3 | 6097.0 |
| 6401.7  | 5°    | 6415.0  | 6401.7  | 6330.1 | 6226.9 | 6085.3 | 5955.4 | 5812.2 | 5722.2 | 5595.7 | 5550.7 |
| 6513.3  | 7.5°  | 6511.6  | 6475.0  | 6351.8 | 6125.3 | 5828.8 | 5537.4 | 5234.3 | 5004.5 | 4784.6 | 4706.4 |
| 6604.9  | 10°   | 6599.9  | 6548.3  | 6338.4 | 5942.1 | 5429.1 | 4924.5 | 4441.6 | 4103.5 | 3847.0 | 3742.1 |
| 6706.5  | 12.5° | 6688.2  | 6593.2  | 6250.2 | 5637.3 | 4861.2 | 4176.8 | 3662.2 | 3399.0 | 3240.8 | 3114.3 |
| 6789.8  | 15°   | 6771.4  | 6638.2  | 6113.6 | 5229.3 | 4238.4 | 3543.9 | 3164.2 | 2954.4 | 2827.8 | 2744.5 |
| 6911.3  | 17.5° | 6868.0  | 6676.5  | 5908.8 | 4711.4 | 3645.5 | 3105.9 | 2796.2 | 2669.6 | 2644.6 | 2634.6 |
| 7077.9  | 20°   | 7002.9  | 6711.5  | 5639.0 | 4131.8 | 3209.2 | 2756.2 | 2596.3 | 2584.7 | 2583.0 | 2578.0 |
| 7277.7  | 22.5° | 7147.8  | 6753.1  | 5282.6 | 3605.5 | 2837.8 | 2538.0 | 2509.7 | 2486.4 | 2471.4 | 2469.8 |
| 7519.2  | 25°   | 7319.3  | 6766.4  | 4836.3 | 3174.2 | 2521.4 | 2434.8 | 2401.5 | 2366.5 | 2356.5 | 2356.5 |
| 7794.0  | 27.5° | 7485.9  | 6721.5  | 4316.7 | 2799.5 | 2343.2 | 2339.9 | 2296.6 | 2284.9 | 2283.2 | 2288.2 |
| 8107.1  | 30°   | 7652.4  | 6636.5  | 3800.4 | 2453.1 | 2239.9 | 2239.9 | 2224.9 | 2233.3 | 2239.9 | 2256.6 |
| 8536.7  | 32.5° | 7877.2  | 6546.6  | 3369.1 | 2196.6 | 2150.0 | 2133.4 | 2148.3 | 2165.0 | 2171.7 | 2193.3 |
| 9101.3  | 35°   | 8207.0  | 6483.3  | 3026.0 | 2056.7 | 2056.7 | 2035.1 | 2043.4 | 2040.1 | 2025.1 | 2015.1 |
| 9784.1  | 37.5° | 8643.3  | 6480.0  | 2742.9 | 1991.8 | 1978.5 | 1975.1 | 1976.8 | 1955.2 | 1896.9 | 1826.9 |
| 10610.1 | 40°   | 9167.9  | 6569.9  | 2524.7 | 1946.8 | 1936.8 | 1956.8 | 1946.8 | 1888.5 | 1728.7 | 1607.1 |
| 11626.0 | 42.5° | 9872.4  | 6826.4  | 2384.8 | 1891.9 | 1921.8 | 1946.8 | 1906.9 | 1705.3 | 1597.1 | 1515.5 |
| 12783.4 | 45°   | 10701.7 | 7242.7  | 2313.2 | 1833.6 | 1893.5 | 1923.5 | 1730.3 | 1642.1 | 1555.5 | 1457.2 |
| 14045.8 | 47.5° | 11641.0 | 7767.3  | 2296.6 | 1778.6 | 1830.3 | 1848.6 | 1655.4 | 1615.4 | 1517.2 | 1410.6 |
| 15314.8 | 50°   | 12663.5 | 8388.5  | 2341.5 | 1713.7 | 1738.7 | 1675.4 | 1630.4 | 1593.8 | 1492.2 | 1387.3 |
| 16615.5 | 52.5° | 13721.1 | 9073.0  | 2431.5 | 1625.4 | 1647.1 | 1577.1 | 1620.4 | 1588.8 | 1477.2 | 1335.6 |
| 17959.4 | 55°   | 14760.3 | 9762.5  | 2518.1 | 1522.2 | 1553.8 | 1488.8 | 1592.1 | 1568.8 | 1408.9 | 1249.0 |
| 19393.3 | 57.5° | 15816.1 | 10448.6 | 2603.0 | 1430.6 | 1463.9 | 1403.9 | 1547.1 | 1515.5 | 1332.3 | 1169.1 |
| 20958.8 | 60°   | 16913.6 | 11114.7 | 2643.0 | 1342.3 | 1365.6 | 1325.6 | 1478.9 | 1423.9 | 1245.7 | 1087.5 |
| 22497.6 | 62.5° | 17941.1 | 11669.3 | 2578.0 | 1254.0 | 1269.0 | 1252.4 | 1388.9 | 1315.6 | 1159.1 | 995.9  |
| 24101.4 | 65°   | 18972.0 | 11999.1 | 2378.2 | 1167.4 | 1170.8 | 1162.4 | 1262.4 | 1199.1 | 1057.5 | 916.0  |
| 25505.3 | 67.5° | 19906.3 | 12183.9 | 2060.1 | 1074.2 | 1065.8 | 1062.5 | 1144.1 | 1072.5 | 959.3  | 836.0  |
| 26572.8 | 70°   | 20104.5 | 11714.3 | 1573.8 | 964.3  | 964.3  | 955.9  | 1014.2 | 940.9  | 851.0  | 751.1  |
| 25808.4 | 72.5° | 18362.5 | 9854.0  | 1117.5 | 839.4  | 852.7  | 836.0  | 884.3  | 822.7  | 741.1  | 674.5  |
| 22242.8 | 75°   | 14806.9 | 7226.1  | 812.7  | 711.1  | 734.4  | 706.1  | 751.1  | 707.8  | 637.8  | 636.2  |
| 15328.1 | 77.5° | 10173.8 | 4468.2  | 589.5  | 586.2  | 602.9  | 566.2  | 617.9  | 594.5  | 531.3  | 502.9  |
| 6671.5  | 80°   | 4341.6  | 1782.0  | 429.7  | 453.0  | 453.0  | 419.7  | 479.6  | 486.3  | 431.3  | 418.0  |
| 1287.3  | 82.5° | 864.3   | 506.3   | 301.4  | 311.4  | 293.1  | 283.1  | 339.7  | 376.4  | 519.6  | 577.9  |
| 388.0   | 85°   | 259.8   | 186.5   | 181.5  | 169.9  | 149.9  | 151.5  | 199.8  | 378.0  | 466.3  | 266.5  |
| 128.2   | 87.5° | 71.6    | 46.6    | 48.3   | 38.3   | 31.6   | 41.6   | 68.3   | 286.4  | 156.5  | 66.6   |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 180°   |
|--------|
| 6320.1 |
| 6118.6 |
| 5584.0 |
| 4716.4 |
| 3765.4 |
| 3155.9 |
| 2759.5 |
| 2641.3 |
| 2594.7 |
| 2488.1 |
| 2366.5 |
| 2301.6 |
| 2268.2 |
| 2211.6 |
| 2038.4 |
| 1828.6 |
| 1603.8 |
| 1512.2 |
| 1450.5 |
| 1402.2 |
| 1375.6 |
| 1325.6 |
| 1240.7 |
| 1165.8 |
| 1082.5 |
| 994.2  |
| 906.0  |
| 826.0  |
| 747.8  |
| 654.5  |
| 572.9  |
| 471.3  |
| 418.0  |
| 579.6  |
| 229.8  |
| 56.6   |
| 0.0    |